

Preparing files for Purple line of DNA Subway

1. Create an account on Cyverse (<https://user.cyverse.org/register>). Students also will need to create accounts before you can share the data with them. You and your students will use these same accounts for accessing DNA subway.
2. Login to the Cyverse Discovery Environment (<https://de.cyverse.org/>).
3. Upload the tar file that contains the sequence files and metadata file by clicking on the “Data” button, and then the “Upload” link from the menu bar and selecting “Simple Upload from Desktop”.
4. Unpack the tar file by clicking on the “Apps” button and search for “Uncompress with tar” in the search box. Click the “Uncompress with tar” button and select the output folder where you want the files. Under the “parameters” dropdown, select the tar file you want to uncompress and “Tar archive” as archive type. Click the “Launch Analysis” button to start the app. When it is complete, the files in the archive will show up in the folder you specified.
5. To share the folder with your students, in the Data window, navigate to where you can see the folder you want to share in the right window and click the three vertical dots to the right of folder name. Then, click the “Share with Collaborators” link and search for your students’ accounts.